



INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/585,717
Filing Date	July 11, 2006
First Named Inventor	Leppert
Group Art Unit	1646
Examiner Name	Pak, M. D.

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A1	6,060,271	05/09/2000	Walewski et al			
	A2	6,110,672	08/29/2000	Mandel et al			
	A3	6,673,549	01/06/2004	Furness et al			
	A4	2003/194751	10/16/2003	Dubin Adrienne et al.			

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	A5	WO 1996/014077	5/17/1996	Trophix Pharmaceuticals, Inc	
	A6	WO 2002/083945	10/24/2002	IMP College Innovations Ltd.	

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A7	Agnew WS, Levinson SR, Brabson JS, Raftery MA. Purification of the tetrodotoxin-binding component associated with the voltage-sensitive sodium channel from <i>Electrophorus electricus</i> electroplax membranes. <i>Proc Natl Acad Sci U S A</i> . 1978 Jun;75(6):2606-10.
	A8	Agnew WS, Moore AC, Levinson SR, Raftery MA. Identification of a large molecular weight peptide associated with a tetrodotoxin binding protein from the electroplax of <i>Electrophorus electricus</i> . <i>Biochem Biophys Res Commun</i> . 1980 Feb 12;92(3):860-6.
	A9	Alberts, <i>et al.</i> , eds., "Molecular Biology of the Cell: Chapter 11: Membrane Transport" 534-535, Garland Pub., New York, N.Y. (1994)
	A10	Andersen OS, Koeppe RE 2nd. Molecular determinants of channel function. <i>Physiol Rev</i> . 1992 Oct;72(4 Suppl):S89-158.
	A11	Annegers JF, Hauser WA, Shirts SB, Kurland LT. Factors prognostic of unprovoked seizures after febrile convulsions. <i>N Engl J Med</i> . 1987 Feb 26;316(9):493-8
	A12	Catterall WA. Molecular properties of voltage-sensitive sodium channels. <i>Annu Rev Biochem</i> . 1986;55:953-85.
	A13	Catterall WA. Cellular and molecular biology of voltage-gated sodium channels. <i>Physiol Rev</i> . 1992 Oct;72(4 Suppl):S15-48.
	A14	Catterall WA. Structure and function of voltage-gated ion channels. <i>u Rev Biochem</i> . 1995;64:493-531.
	A15	Catterall WA. From ionic currents to molecular mechanisms: the structure and function of voltage-gated sodium channels. <i>Neuron</i> . 2000 Apr;26(1):13-25.
	A16	Escayg A, MacDonald BT, Meisler MH, Baulac S, Huberfeld G, An-Gourfinkel I, Brice A, LeGuern E, Moulard B, Chaigne D, Buresi C, Malafosse A. Mutations of SCN1A, encoding a neuronal sodium channel, in two families with GEFS+2. <i>Nat Genet</i> . 2000 Apr;24(4):343-5.
	A17	Felts PA, Yokoyama S, Dib-Hajj S, Black JA, Waxman SG. Sodium channel alpha-subunit mRNAs I, II, III, NaG, Na6 and hNE (PN1): different expression patterns in developing rat nervous system. <i>Brain Res Mol Brain Res</i> . 1997 Apr;45(1):71-82.

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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A18	Fujiwara T, Sugawara T, Mazaki-Miyazaki E, Takahashi Y, Fukushima K, Watanabe M, Hara K, Morikawa T, Yagi K, Yamakawa K, Inoue Y. Mutations of sodium channel alpha subunit type 1 (SCN1A) in intractable childhood epilepsies with frequent generalized tonic-clonic seizures. Brain. 2003 Mar;126(Pt 3):531-46.
A19	GeneBank Accession No. AF000368
A20	GeneBank Accession No. NM_002977
A21	GeneBank Accession No. U35238
A22	GeneBank Accession No. U79568
A23	GeneBank Accession No. X82835
A24	Goldin AL, Barchi RL, Caldwell JH, Hofmann F, Howe JR, Hunter JC, Kallen RG, Mandel G, Meisler MH, Netter YB, Noda M, Tamkun MM, Waxman SG, Wood JN, Catterall WA, Nomenclature of voltage-gated sodium channels. Neuron. 2000 Nov;28(2):365-8.
A25	Goldin AL. Resurgence of sodium channel research. Annu Rev Physiol. 2001;63:871-94.
A26	Hartshorne RP, Catterall WA. The sodium channel from rat brain. Purification and subunit composition. Biol Chem. 1984 Feb 10;259(3):1667-75.
A27	Kraner SD, Tanaka JC, Barchi RL. Purification and functional reconstitution of the voltage-sensitive sodium channel from rabbit T-tubular membranes. J Biol Chem. 1985 May 25;260(10):6341-7.
A28	Lossin C, Rhodes TH, Desai RR, Vanoye CG, Wang D, Carniciu S, Devinsky O, George AL Jr. Epilepsy-associated dysfunction in the voltage-gated neuronal sodium channel SCN1A. J Neurosci. 2003 Dec 10;23(36):11289-95
A29	Nabbout R, Gennaro E, Dalla Bernardina B, Dulac O, Madia F, Bertini E, Capovilla G, Chiron C, Cristofori G, Elia M, Fontana E, Gaggero R, Granata T, Guerrini R, Loi M, La Selva L, Lispi ML, Matricardi A, Romeo A, Tzolas V, Valseriati D, Veggiotti P, Vigevano F, Vallee L, Dagna Bricarelli F, Bianchi A, Zara F. Spectrum of SCN1A mutations in severe myoclonic epilepsy of infancy. Neurology. 2003 Jun 24;60(12):1961-7.
A30	National Institutes of Health Grant No. R01NS032666
A31	Peiffer A, Thompson J, Charlier C, Otterud B, Varvil T, Pappas C, Barnitz C, Gruenthal K, Kuhn R, Leppert M. A locus for febrile seizures (FEB3) maps to chromosome 2q23-24. Ann Neurol. 1999 Oct;46(4):671-8.
A32	Sangameswaran L, Fish LM, Koch BD, Rabert DK, Delgado SG, Ilnicka M, Jakeman LB, Novakovic S, Wong K, Sze P, Tzoumaka E, Stewart GR, Herman RC, Chan H, Eglen RM, Hunter JC. A novel tetrodotoxin-sensitive, voltage-gated sodium channel expressed in rat and human dorsal root ganglia. J Biol Chem. 1997 Jun 6;272(23):14805-9
A33	Singh R, Scheffer IE, Crossland K, Berkovic SF. Generalized epilepsy with febrile seizures plus: a common childhood-onset genetic epilepsy syndrome. Ann Neurol. 1999 Jan;45(1):75-81
A34	Sugawara T, Tsurubuchi Y, Agarwala KL, Ito M, Fukuma G, Mazaki-Miyazaki E, Nagafuji H, Noda M, Imoto K, Wada K, Mitsudome A, Kaneko S, Montal M, Nagata K, Hirose S, Yamakawa K. A missense mutation of the Na ⁺ channel alpha II subunit gene Na(v)1.2 in a patient with febrile and afebrile seizures causes channel dysfunction. Proc Natl Acad Sci U S A. 2001 May 22;98(11):6384-9.
A35	Tanaka JC, Eccleston JF, Barchi RL. Cation selectivity characteristics of the reconstituted voltage-dependent sodium channel purified from rat skeletal muscle sarcolemma. J Biol Chem. 1983 Jun 25;258(12):7519-26.

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